

Econoline

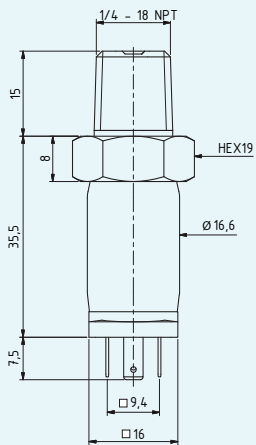
Cost-efficient Multipurpose Pressure Transmitter

Features:

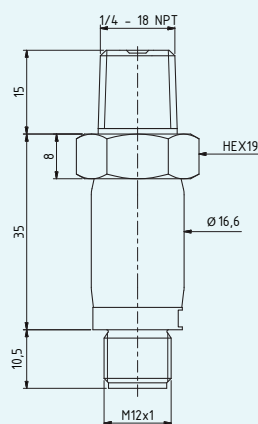
- NSF/ANSI 61 and 372 certified construction for use in drinking water applications
- $< \pm 1\%$ Total Error Band (TEB) accuracy over 0...50°C for optimum performance in real-world conditions
- 316L Stainless Steel wetted materials for compatibility with aggressive media
- Full scale ranges from 15 to 10,000 PSI
- 2-year warranty covers defects in materials and workmanship
- Industry standard 2-wire, 4-20mA output simplifies interface to controls, data collection, and telemetry systems
- Standard 3 day lead time



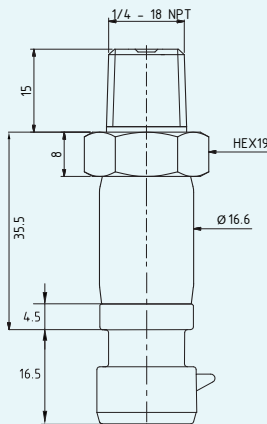
mPm-393



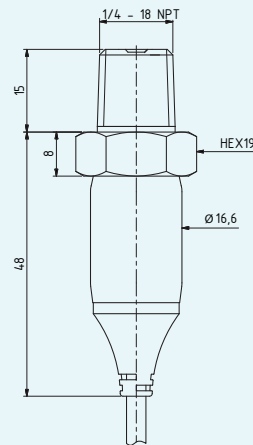
m12



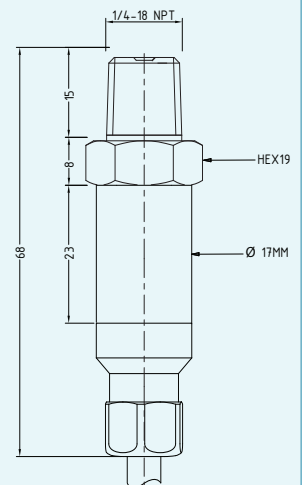
Packard Plug



PUR Cable



Vented PVC Cable



Econoline - SPECIFICATIONS

Pressure Ranges ₁	
Relative (PR)	0...15, 30, 50, 100, 150, 200, 250, & 300 PSIG
Absolute (PAA)	0...30, 50, & 100 PSIA
Sealed (PA)	0...500, 1000, 2000, 3000, 5000, & 10000 PSIS
Proof Pressure	3X for ranges up to 1000 PSI 2X for ranges 2000...5000 PSI 1.2X for range 10,000 PSI

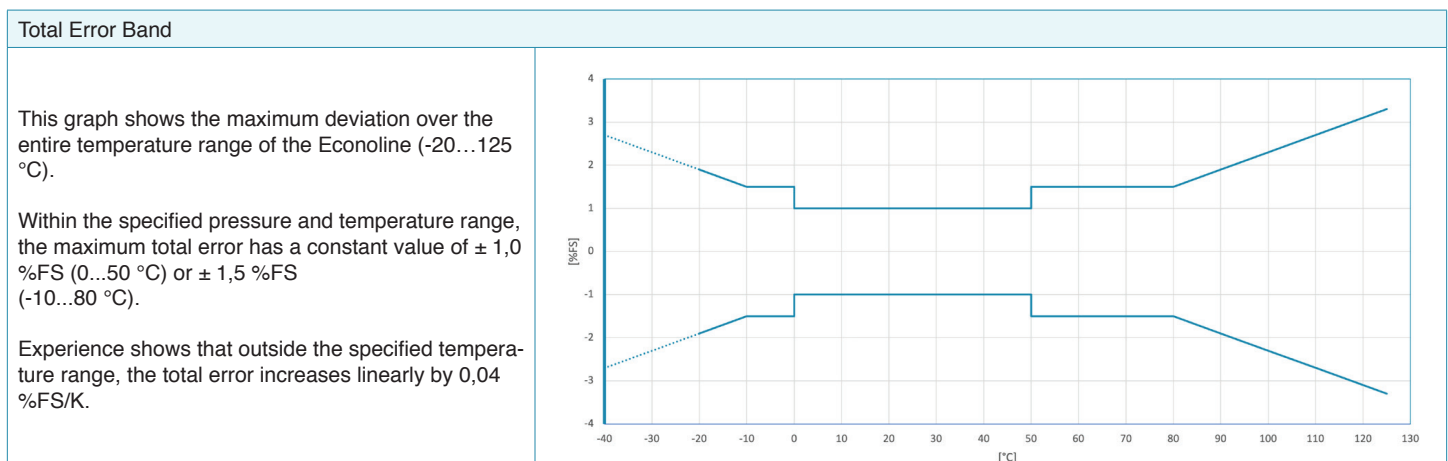
1. PSIG = Gage; Zero-point referenced to local atmospheric pressure.
PSIA = Absolute; Zero-point set at hard vacuum.
PSIS = Sealed Gage; Zero-point set at 1 bar absolute (14.504 PSIA)

Accuracy ₂		
Static	±0.25% FS Typical (±0.5% FS Max.)	Non-linearity best fit straight line (BFSL), hysteresis, non-repeatability at room temperature
Total Error Band (0...50°C)	±1.0% FS Max.	Maximum deviation within the specified pressure and temperature range
Total Error Band (-10...80°C)	±1.5% FS Max.	
Compensated Temperature Range	-10...80°C	
Long Term Stability	≤ ±0.3% FS	Per year under reference conditions
Position Dependency	≤ ±0.02 PSI	Calibrated in vertical installation with pressure connection facing downwards.

Output	
Standard ₃	4...20mA

3. VDC outputs available on request, minimum order quantities may apply.

Electrical	
Supply	8...32 VDC
Load Resistance (mA)	<(Supply-8V)/0.025A
Load Resistance (VDC)	>5k ohm
Limiting Frequency	1KHz
Startup Time (power supply ON)	<5ms (0...99%)
Overvoltage and Reverse Polarity Protection	± 32 VDC
GND-CASE Insulation	> 10 MΩ @300 VDC



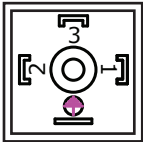
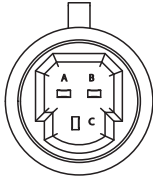
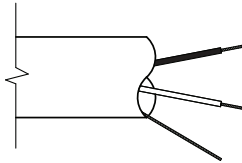
Econoline - SPECIFICATIONS

Connection		
Process	1/4"-18NPT Male	
Electrical	mPm393 ₄	DIN EN 175301-803
	M12 ₅	DIN EN 61076-2-101 A-code 4-pin
	3-pin Metri Pack ₅	Delphi / Packard
	Vented PVC Cable	
	10 ft. PUR Cable ₆	

4. Mating connector supplied at no extra cost.

5. Mating connector/cable assembly sold separately.

6. Additional lengths available. Consult KELLER.

Wiring			
mPm393		M12	
	Pin 1: OUT/GND Pin 3: +Vcc		Pin 1: +Vcc Pin 3: OUT/GND
3-pin Metri Pack		Cable	
	Pin B: +Vcc Pin C: OUT/GND		Black or Brown: +Vcc White or Blue: OUT/GND

Environmental		
Protection Rating		
mPm393	PR: IP54, PA and PAA: IP65	
M12, Packard	PR: IP54, PA and PAA: IP67	
Cable	PR: IP54 or IP67, PA and PAA: IP67	
Operating Temp.	-20...125°C	
Compensated Temp.	-10...80°C	
Wetted Materials	316 L Stainless Steel	
Shock	50g (11ms)	IEC 60068-2-27
Vibration	10g, 10...2000Hz, ±10 mm	IEC 60068-2-6

Certifications	
CE (EMC)	EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4, EN61326-1, EN61326-2-3
NSF/ANSI	61, 372